



Indian School Al Wadi Al Kabir

Final Term Examination

COMPUTER SCIENCE

Class: VI
Date: 28/02/2024

Time: 1 Hour
Max. Marks: 25

General instructions:

- i. All questions are compulsory.
- ii. Section A questions carries $\frac{1}{2}$ mark each.
- iii. Section B questions are descriptive type.

Section -A

I. Choose the correct answer: 6 x $\frac{1}{2}$ = 3

1. Which of the following is a way of achieving AI?
a) Machine learning b) Decision Tree c) Both a & b d) None of these
2. What does IDLE stand for?
a) Interactive Development Learning Environment b) Integrated Development Learning Environment c) Integrated Debugging Learning Environment d) None of these
3. Python can be used for-----
a) Web Programming Development b) Data Analysis c) GUI Application Development
d) All of these
4. Which quality do people with visual-spatial intelligence possess?
a) Explaining things well b) Good at problem-solving c) Recognizing patterns easily
d) Both a and b
5. Which function converts a float or string variable in to int datatype?
a) print() b) int() c) float() d) num
6. Which of the following allows to save the program for further use?
a) Python Shell b) Python Editor's window c) Command Prompt d) All of these

II. Fill in the blanks: 6 x $\frac{1}{2}$ = 3

1. -----are the special symbols that are used to perform computations.
2. -----are memory reference points where we store values which can be accessed or changed later.
3. -----refers to software technologies that make a robot or computer act and think like humans.
4. Keywords are the -----words in Python.
5. Python uses the -----symbol for writing single-line comments.
6. According to the theories of Harvard Psychologist -----, humans do not just have an intellectual capacity but also many kinds of intelligence.

III. Write True or False: 6 x $\frac{1}{2}$ = 3

1. Comments enable us to understand the way a program works.
2. Ctrl+T is used to close IDLE window.

3. The values on which operator works are called operands.
4. Machine learning is a branch of AI and is based on the idea that machines can be built to process data and learn on their own.
5. A string is a collection of one or more characters put in single or double-quotes.
6. The print function allows to take the user's input while a program executes.

Section – B

- IV. Define the following: 3x1=3
1. Rule-Based Approach
 2. input () function
 3. Data types

- V. Differentiate Between: 1x2=2
1. Interactive mode & Script Mode.

- VI. Answer the following question: 3x2=6
1. What is variable? How do you declare a variable in python?
 2. What do you mean by intelligence? Write any four type of intelligence.
 3. Write steps to run a Python Program.

- VII. Write a python program to calculate the average marks of three subjects. 1x 2=2

- VIII Application based Question: 3 x 1 =3
1. Shweta is good at dancing and various sports and also has excellent hand-eye coordination. Which type of intelligence can she be associated with?
 2. Vaniya finished writing a program in python and has saved it successfully but now she has forgotten the option to execute a program. Tell her which option she should use?
 3. Aditya loves conducting scientific experiments and can also solve complex computations easily. He is also good at reasoning and recognising patterns. Which type of intelligence can he be associated with?
-